

**NONPROVISIONAL PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Attorney Docket No.: 117258

Date: September 23, 2003

**MAIL STOP PATENT APPLICATION**

Customer Number: 25944

**NONPROVISIONAL APPLICATION TRANSMITTAL  
 RULE §1.53(b)**

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is the nonprovisional patent application

For (Title): SEMICONDUCTOR DEVICE HAVING A NITRIDE-BASED HETERO-STRUCTURE  
 AND METHOD OF MANUFACTURING THE SAME

By (Inventors): Akihiko YOSHIKAWA; Ke XU

- ☒ Formal drawings (Figs. 1-14; 13 sheets) are attached.
  - ☐ Use Figure \_\_\_\_\_ for front page of Publication.
- ☐ A Declaration and Power of Attorney is filed herewith.
- ☐ This application claims benefit of Provisional Application No. \_\_\_\_\_ filed \_\_\_\_\_.  
 (A Preliminary Amendment is attached to reflect this claim in the Specification if not already present.)
- ☒ This patent application is assigned to CHIBA UNIVERSITY.
  - ☐ The executed Assignment is filed herewith.
- ☐ An Information Disclosure Statement is filed herewith.
- ☒ Entitlement to small entity status is hereby asserted.
- ☐ A Preliminary Amendment is filed herewith.
- ☒ Priority of foreign applications No. 2002-280082 filed September 25, 2002 in JAPAN and No. 2003-314057 filed September 5, 2003 in JAPAN are claimed (35 U.S.C. §119).
- ☐ A certified copy of the above corresponding foreign applications are filed herewith.
- ☐ This application is NOT to be published under 35 U.S.C. 112(b). The undersigned attorney or agent hereby certifies that the invention disclosed in this application has not been and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.
- ☒ The filing fee is calculated below:

**CLAIMS IN THE APPLICATION AFTER ENTRY OF  
 ANY PRELIMINARY AMENDMENT NOTED ABOVE**

FOR:	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	2 - 20	= 0
INDEP CLAIMS	2 - 3	= 0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS PRESENTED		


\* If the difference is less than zero, enter "0".

SMALL ENTITY	
RATE	FEE
	\$ 375
x 9 =	\$
x 42 =	\$
+ 140 =	\$
<b>TOTAL</b>	<b>\$ 375</b>

OTHER THAN A SMALL ENTITY	
RATE	FEE
	\$ 750
x 18	\$
x 84	\$
+ 280	\$
<b>TOTAL</b>	<b>\$</b>

- ☒ Check No. 146538 in the amount of \$375 to cover the filing fee is attached. Except as otherwise noted herein, the Commissioner is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.

Respectfully submitted,

  
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JAO:TJP/mlo

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